

**TABLE 14-1B**  
**UNITARY AND APPLIED HEAT PUMPS, ELECTRICALLY OPERATED,**  
**MINIMUM EFFICIENCY REQUIREMENTS**

Equipment Type	Size Category	Sub-Category or Rating Condition	Minimum Efficiency <sup>b</sup>	Test Procedure <sup>a</sup>
Air Cooled, (Cooling Mode)	< 65,000 Btu/h <sup>d</sup>	Split System	13.0 SEER	ARI 210/240
		Single Package	13.0 SEER	
	≥65,000 Btu/h and < 135,000 Btu/h	Split System and Single Package On or After Jan 1, 2010 <sup>e</sup>	10.1 EER <sup>c</sup> 10.4 IPLV <sup>c</sup> 11.0 EER <sup>c</sup>	ARI 340/360
	≥135,000 Btu/h and <240,000 Btu/h	Split System and Single Package On or After Jan 1, 2010 <sup>e</sup>	9.3 EER <sup>c</sup> 9.5 IPLV <sup>c</sup> 10.6 EER <sup>c</sup>	
	≥240,000 Btu/h	Split System and Single Package On or After Jan 1, 2010 <sup>e</sup>	9.0 EER <sup>c</sup> 9.2 IPLV <sup>c</sup> 9.5 EER <sup>c</sup>	
Through-the-Wall (Air Cooled, Cooling Mode)	<30,000 Btu/h <sup>d</sup>	Split System On or After Jan 23, 2010 <sup>e</sup>	10.9 SEER 12.0 SEER	ARI 210/240
		Single Package On or After Jan 23, 2010 <sup>e</sup>	10.6 SEER 12.0 SEER	
Water-Source (Cooling Mode)	< 17,000 Btu/h	86°F Entering Water	11.2 EER	ARI/ISO-13256-1
	≥ 17,000 Btu/h and <65,000 Btu/h	86°F Entering Water	12.0 EER	ARI/ISO-13256-1
	≥65,000 Btu/h and < 135,000 Btu/h	86°F Entering Water	12.0 EER	ARI/ISO-13256-1
Groundwater-Source (Cooling Mode)	< 135,000 Btu/h	59°F Entering Water	16.2 EER	ARI/ISO-13256-1
Ground Source (Cooling Mode)	< 135,000 Btu/h	77°F Entering Water	13.4 EER	ARI/ISO-13256-1
Air Cooled (Heating Mode)	< 65,000 Btu/h <sup>d</sup> (Cooling Capacity)	Split System	7.7 HSPF	ARI 210/240
		Single Package	7.7 HSPF	
	≥65,000 Btu/h and < 135,000 Btu/h (Cooling Capacity)	47°F db/43°F wb Outdoor Air On or After Jan 1, 2010 <sup>e</sup>	3.2 COP 3.3 COP	ARI 340/360
		17°F db/15°F wb Outdoor Air	2.2 COP	
	≥135,000 Btu/h (Cooling Capacity)	47°F db/43°F wb Outdoor Air On or After Jan 1, 2010 <sup>e</sup>	3.1 COP 3.2 COP	ARI 340/360
		17°F db/15°F wb Outdoor Air	2.0 COP	
Through-the-Wall (Air Cooled, Heating Mode)	<30,000 Btu/h <sup>d</sup>	Split System On or After Jan 23, 2010 <sup>e</sup>	7.1 HSPF 7.4 HSPF	ARI 210/240
		Single Package On or After Jan 23, 2010 <sup>e</sup>	7.0 HSPF 7.4 HSPF	
Water-Source (Heating Mode)	< 135,000 Btu/h (Cooling Capacity)	68°F Entering Water	4.2 COP	ARI/ISO-13256-1
Groundwater-Source (Heating Mode)	< 135,000 Btu/h (Cooling Capacity)	50°F Entering Water	3.6 COP	ARI/ISO-13256-1
Ground Source (Heating Mode)	< 135,000 Btu/h (Cooling Capacity)	32°F Entering Water	3.1 COP	ARI/ISO-13256-1
<sup>a</sup> Reserved. <sup>b</sup> IPLVs and Part load rating conditions are only applicable to equipment with capacity modulation. <sup>c</sup> Deduct 0.2 from the required EERs and IPLVs for units with a heating section other than electric resistance heat. <sup>d</sup> Applies to all units, including single-phase and three-phase. For single-phase air-cooled heat pumps < 65,000 Btu/h, SEER and HSPF values are those set by NAECA. <sup>e</sup> Date of manufacturer as regulated by NAECA.				